

FIG. 1

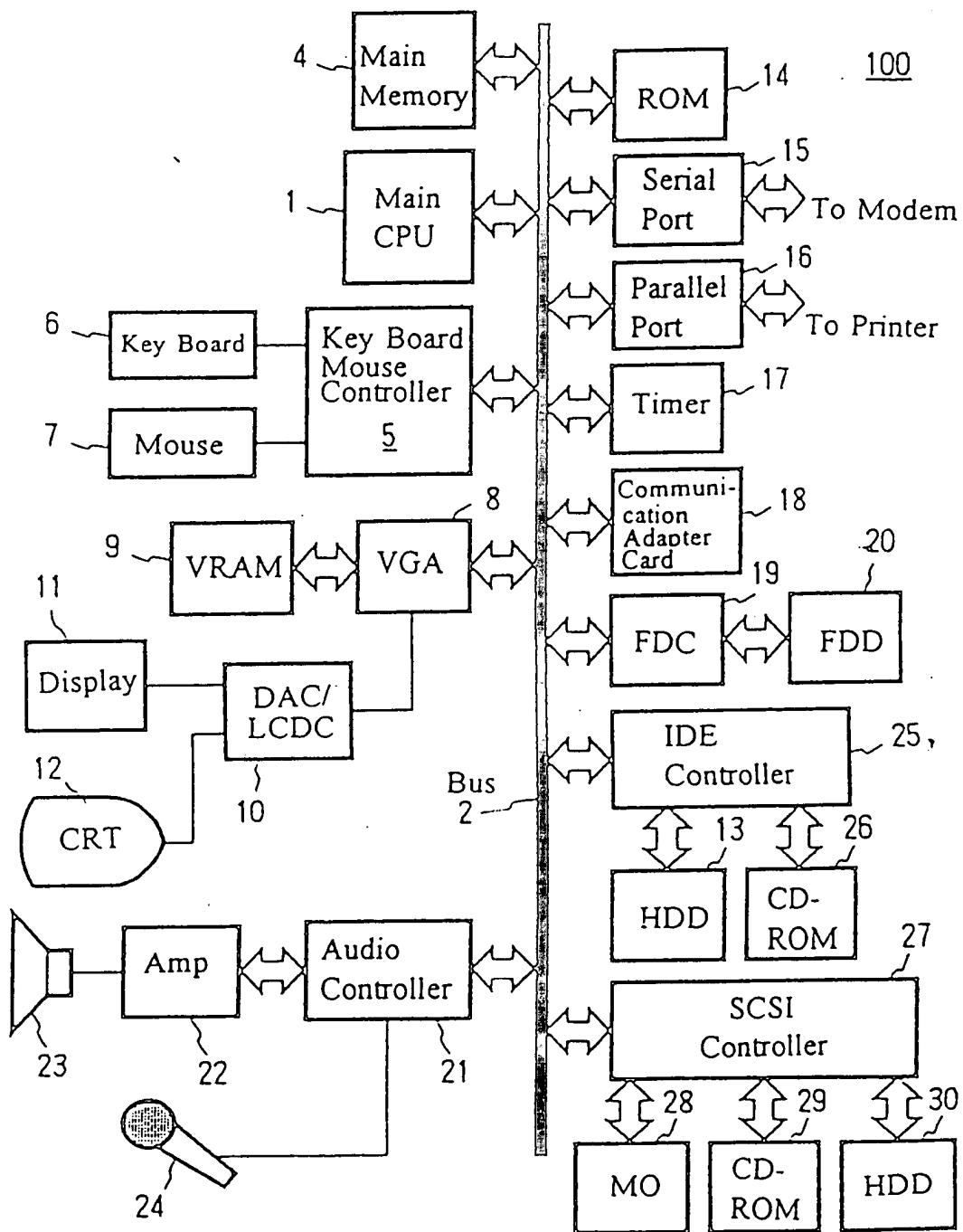


Fig. 2

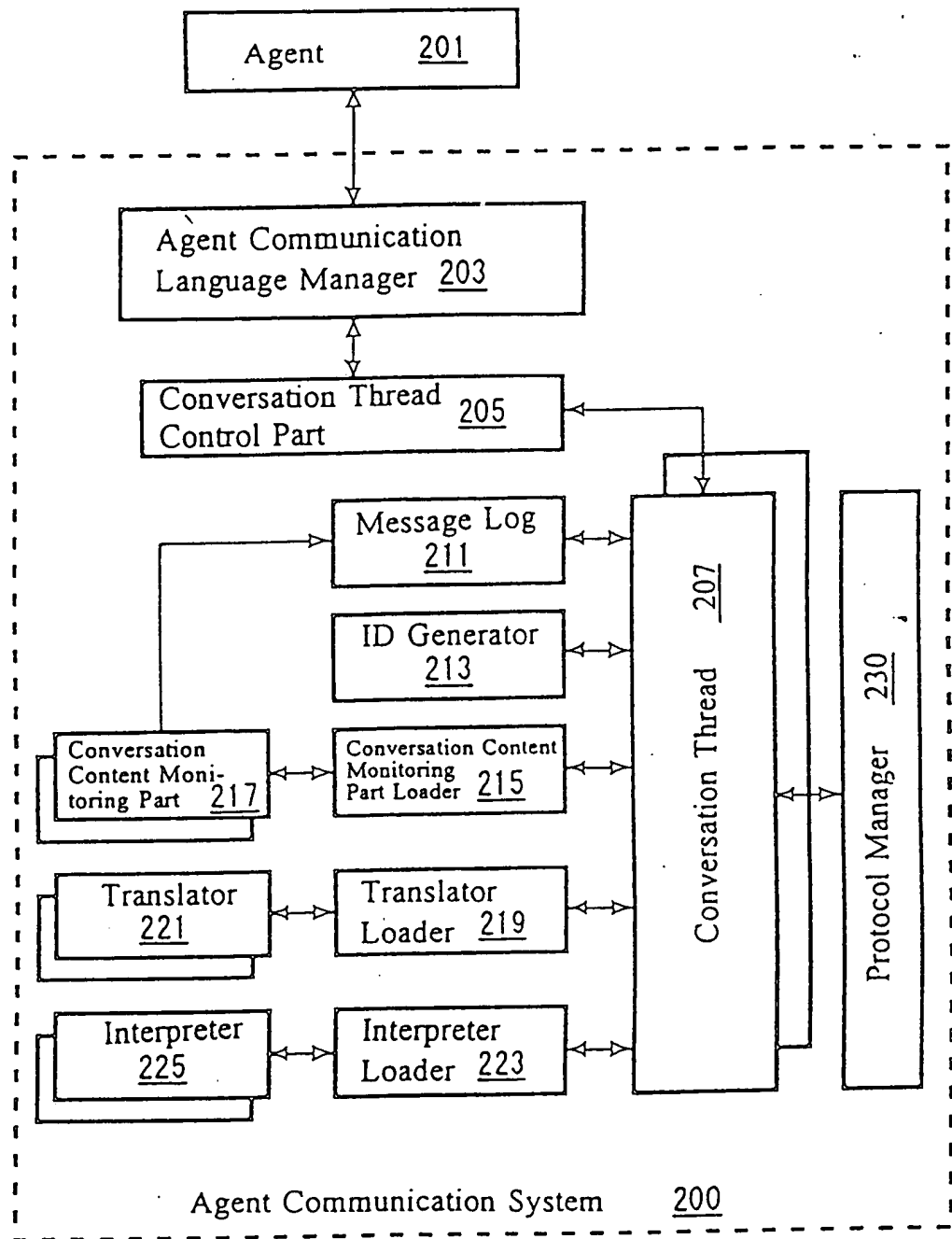


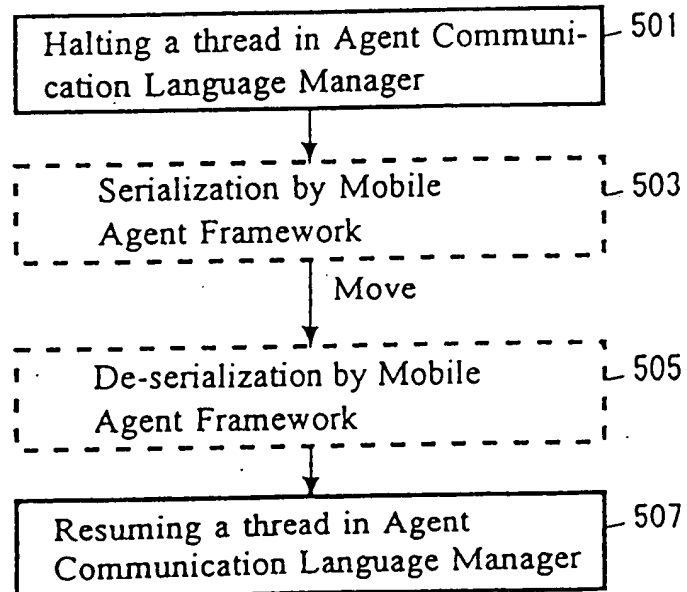
FIG. 3

Fig. 4

Message Packet 300

Message Type	301
Sender	303
Receiver	305
Response ID	307
Conversation ID	309
Describing Language Type	311
Ontology	313
Content	315

Fig. 14



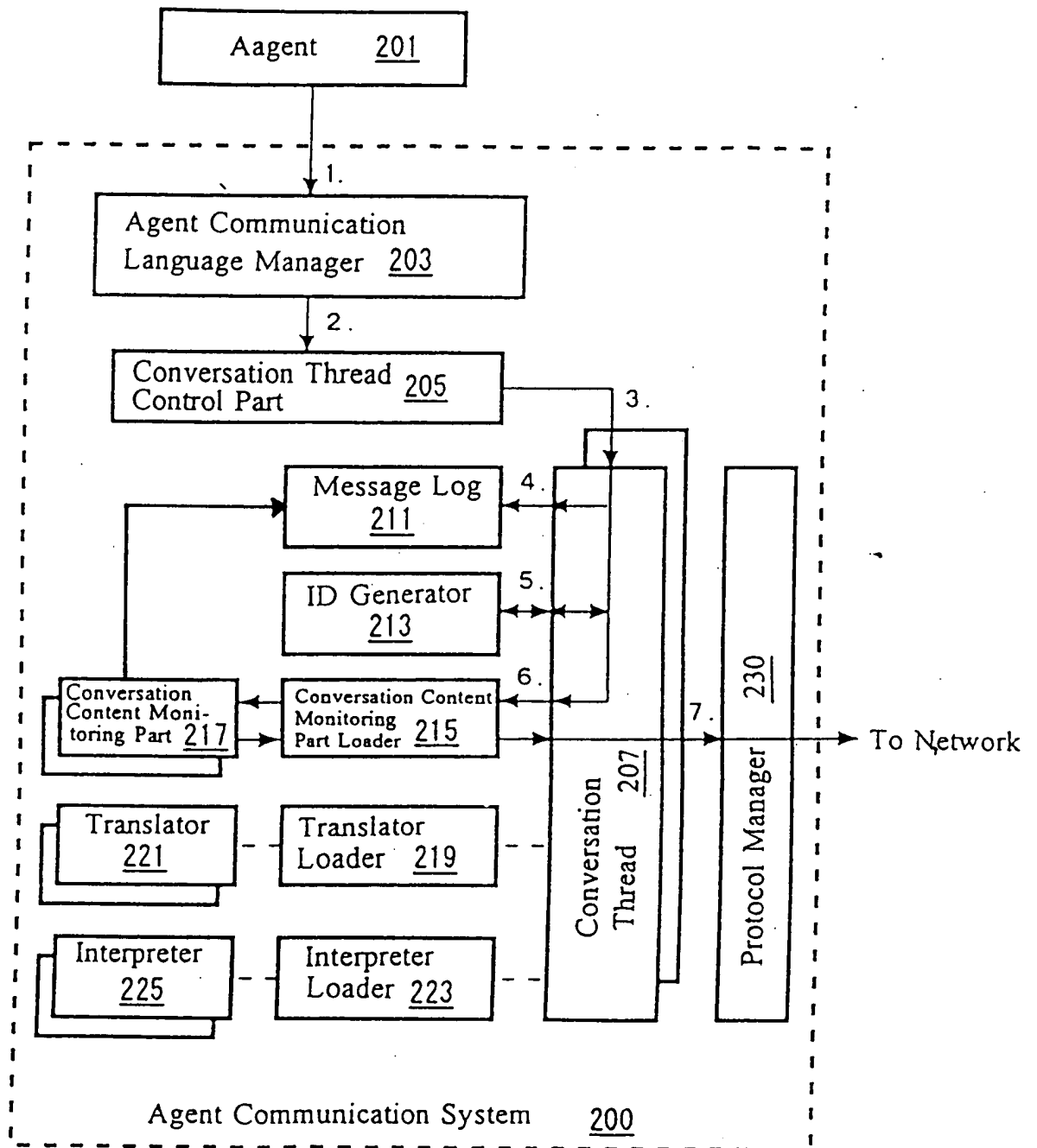
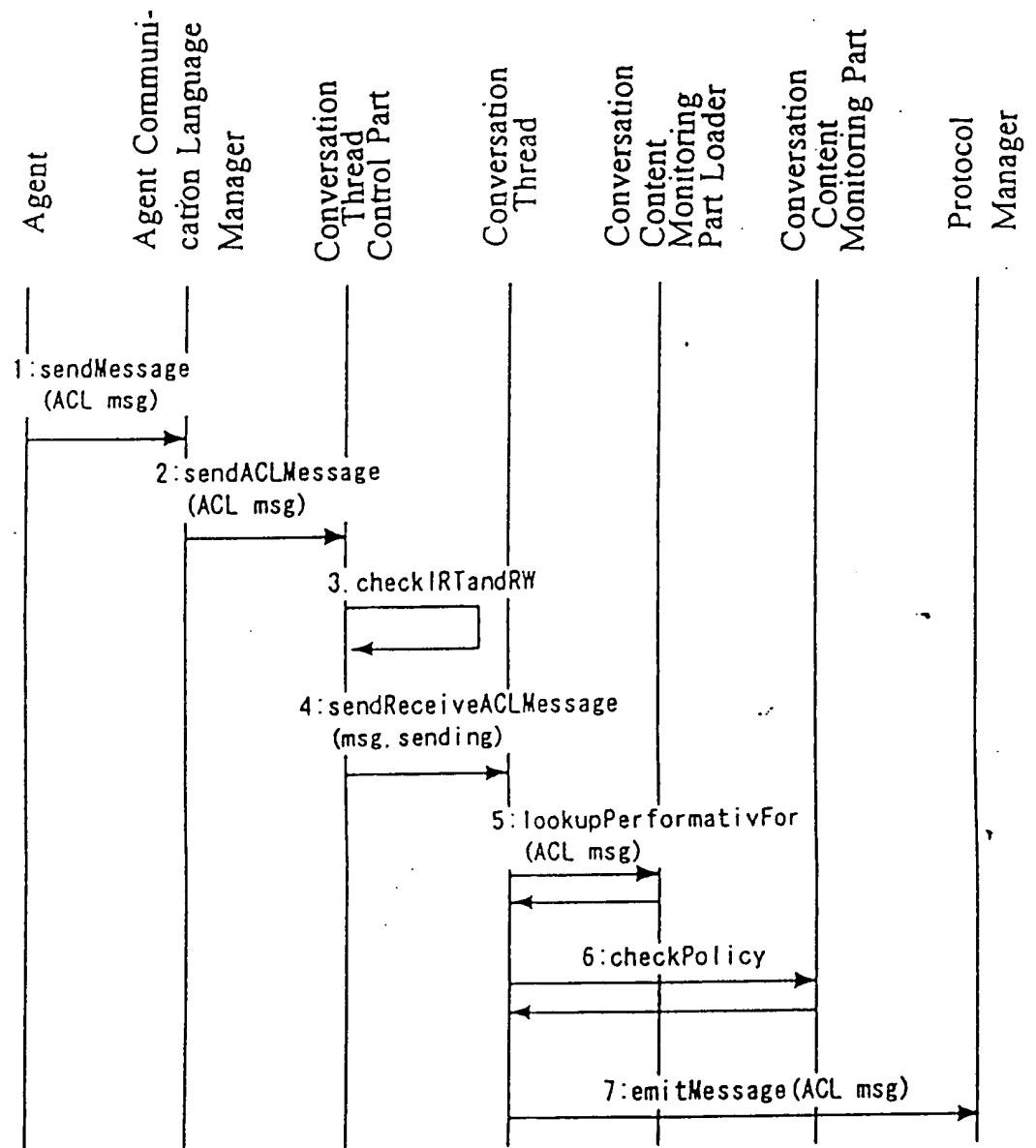


Fig. 5

Fig. 6



r: Receiver
 s: Sender
 F: Facilitator
 A: Agent
 o: Ontology

l: Describing Language Type
 c: Contents
 rw: Conversation ID
 irt: Response ID

Fig. 7

330

Message Type	Conversation Content Monitoring Part
ask-if	ask-if Monitoring Part
sorry	sorry Monitoring Part
⋮	⋮
recruit-all	recruit-all Monitoring Part

Fig. 10

350

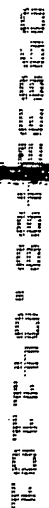
Interpreter	Agent Communication Language	Describing Language	Ontology
interpreter A	KQML	Prolog	Stock
interpreter B	FIPA	SL	Stock
⋮	⋮	⋮	⋮
interpreter X	KQML	KIF	Yellow Page

Fig. 11

340

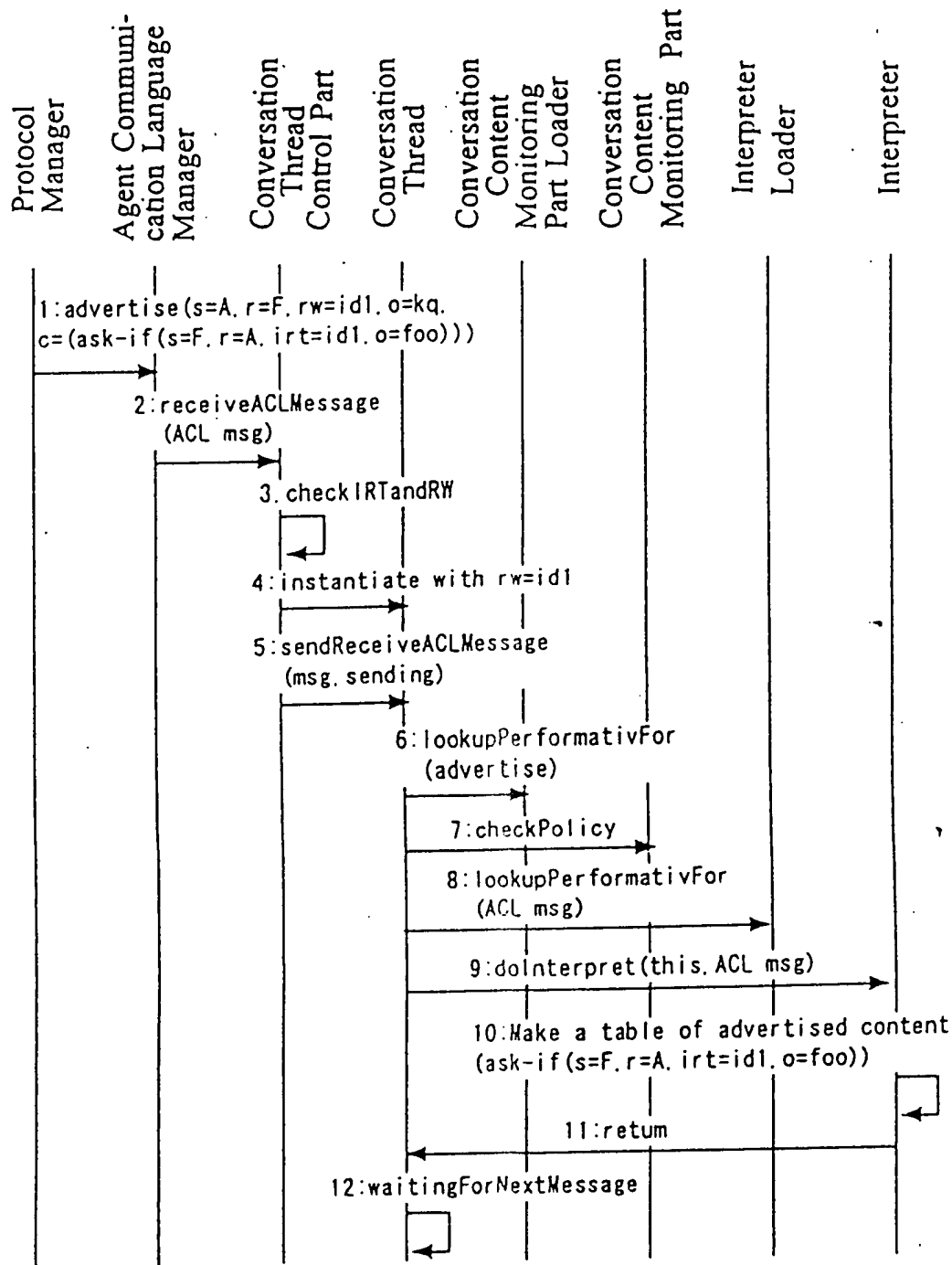
Agent Communication Language	Translator
KQML	KQML→FIPA
⋮	⋮
FIPA	FIPA→KIF

FOR "SECRET"



F14. 8

Fig. 9



r: Receiver
 s: Sender
 F: Facilitator
 A: Agent
 o: Ontology
 l: Describing Language Type
 c: Contents
 rw: Conversation ID
 irt: Response ID

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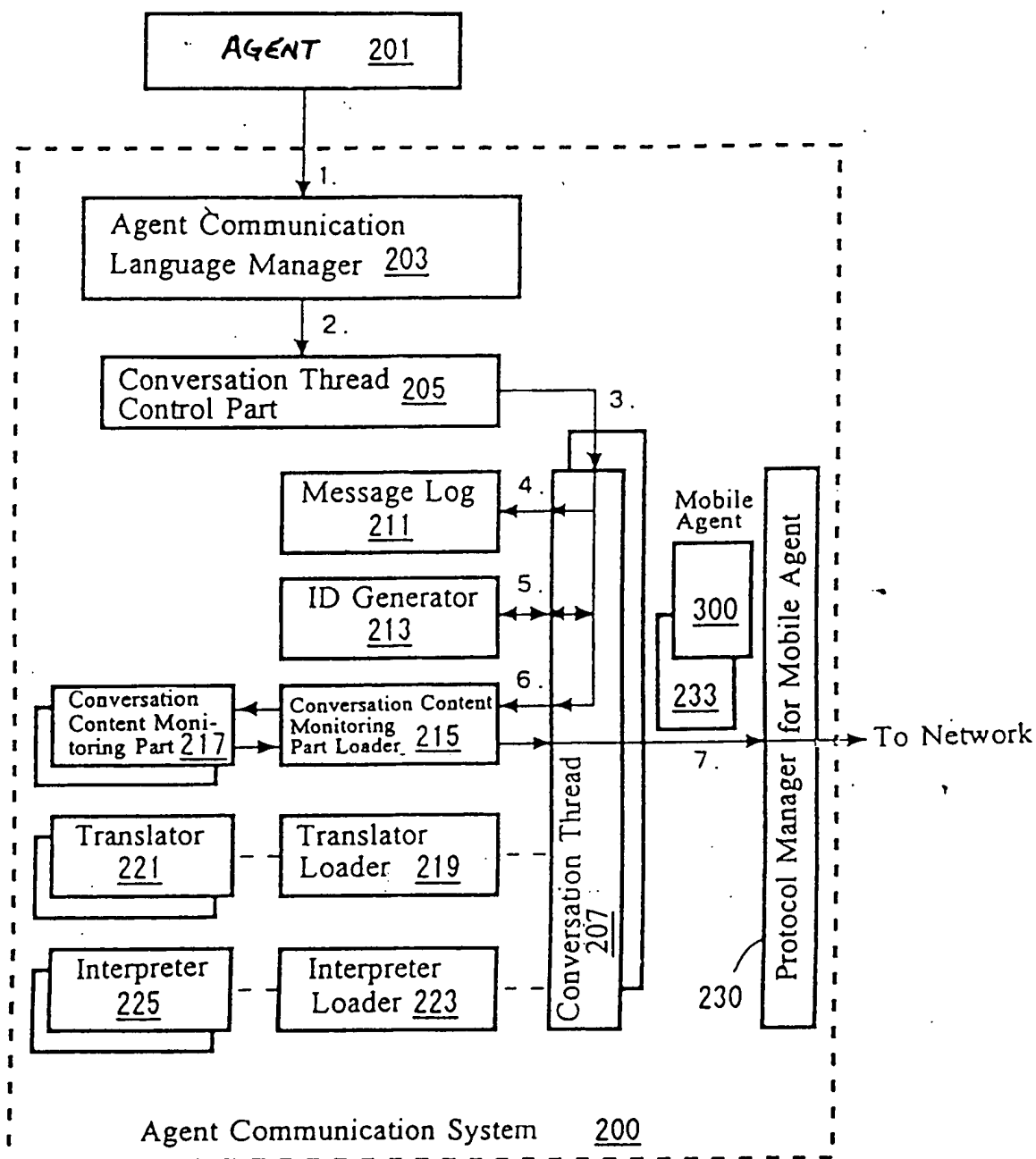


Fig. 12

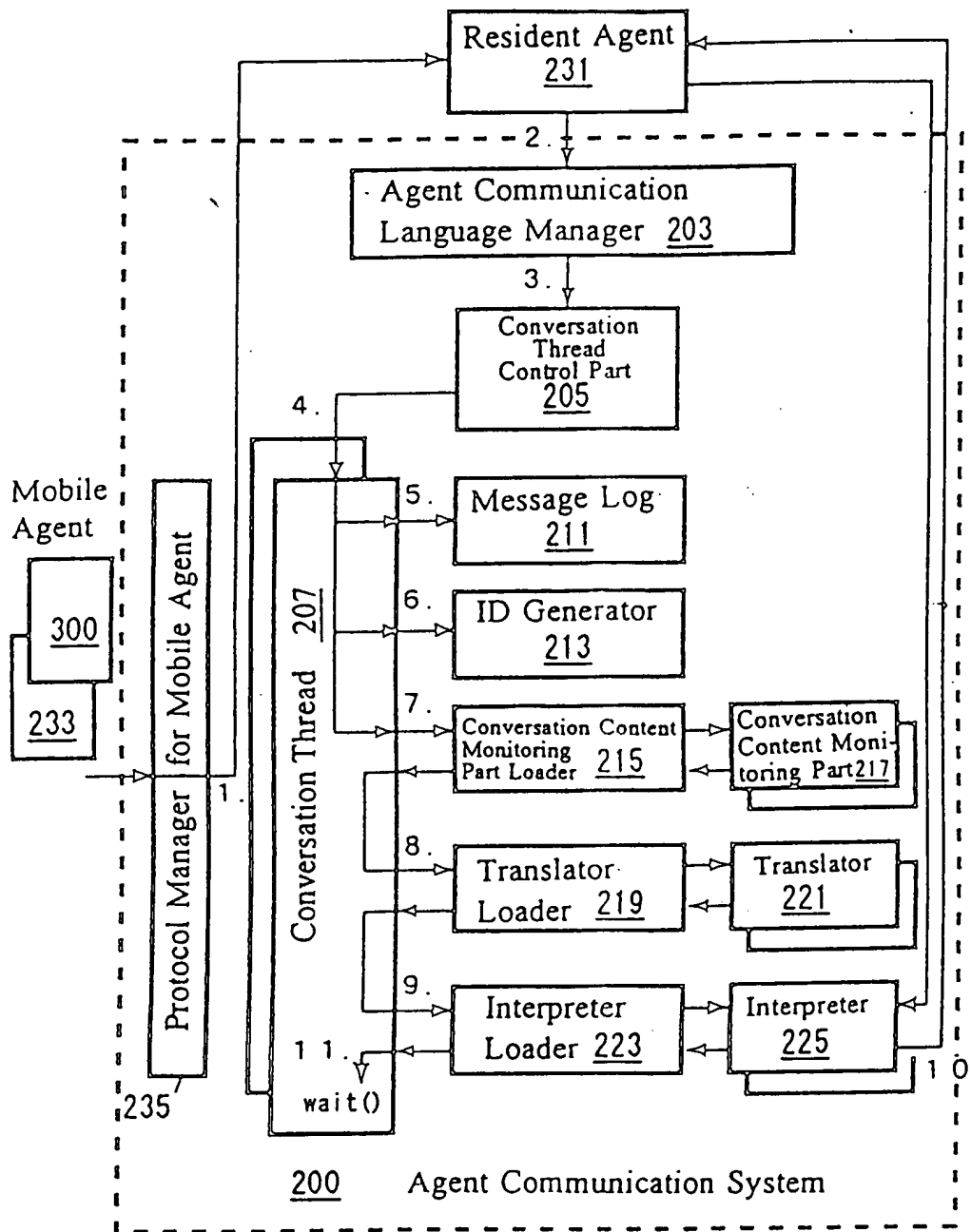
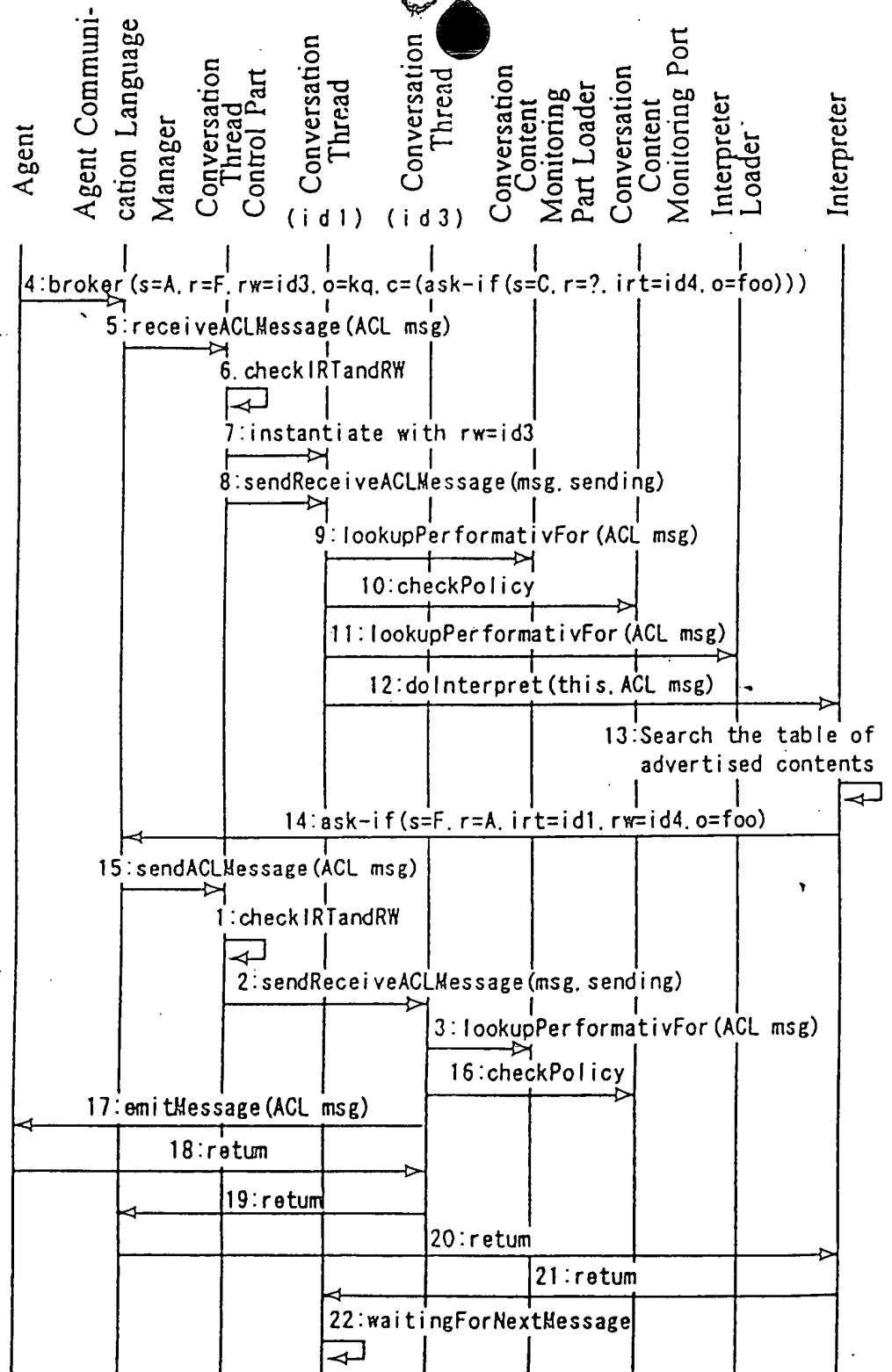


Fig. 13



r: Receiver
 s: Sender
 F: Facilitator
 A: Agent
 o: Ontology

l: Describing Language Type
 c: Contents
 rw: Conversation ID
 irt: Response ID

FOR NO "SECRET"